

## Claims

- [1] A voltage supplying device comprising:  
a first line;  
a second line adjacent to said first line; and  
a voltage generating means for generating a voltage supplied to said first line and  
a voltage supplied to said first line,  
wherein said voltage generating means receives a first data representing a first  
voltage for said first line and a second data representing a second voltage for said  
second line, and generates a correction voltage different from said first voltage  
using said received first and second data,  
and wherein said voltage supplying device supplies said first line with said  
correction voltage.
- [2] A voltage supplying device as claimed in claim 1, wherein said voltage  
generating means comprises:  
a first correction means for generating a correction data representing said  
correction voltage using said first and second data; and  
a first converting means for converting said correction data into said correction  
voltage.
- [3] A voltage supplying device as claimed in claim 2, wherein said first correction  
means determines an amount of correction in data of said first data using said  
second data, and generates said correction data by correcting said first data using  
said amount of correction in data.
- [4] A voltage supplying device as claimed in claim 1, wherein said device comprises  
a third line adjacent to said first line, said third line existing opposite said second  
line,  
and wherein said voltage generating means receives also a third data representing  
a third voltage for on said third line, and generates said correction voltage using  
said received first, second and third data
- [5] A voltage supplying device as claimed in claim 4, wherein said voltage  
generating means comprises:  
a first correction means for generating a correction data representing said  
correction voltage using said first and second data; and  
a first converting means for converting said correction data into said correction  
voltage.
- [6] A voltage supplying device as claimed in claim 5, wherein said first correction  
means generates said correction data using said first, second and third data.
- [7] A voltage supplying device as claimed in claim 5, wherein said first correction

- means determines an amount of correction in data of said first data using said second and third data, and generates said correction data by correcting said first data using said amount of correction in data.
- [8] A voltage supplying device as claimed in claim 1, wherein said voltage generating means comprises:  
a second converting means for converting said first data into said first voltage and converting said second data into said second voltage; and  
a second correction means for generating said correction voltage using said first and second voltages.
- [9] A voltage supplying device as claimed in claim 8, wherein said second correction means generates said correction voltage by correcting said first voltage using said second voltage.
- [10] A voltage supplying device as claimed in claim 8, wherein said device comprises a third line adjacent to said first line, said third line existing opposite said second line,  
wherein said voltage generating means receives a third data for said third line,  
wherein said second converting means converts said received third data into said third voltage,  
and wherein said second correction means generates said correction voltage using said first, second and third voltages.
- [11] A voltage supplying device as claimed in claim 10, wherein said second correction means generates said correction voltage by correcting said first voltage using said second and third voltages.
- [12] An image display device comprising said voltage supplying device as claimed in any one of claims 1 to 11.